

Surface Anisotropy of Ferromagnetic Substances, by
Louis Néel, 5 pp.

FRENCH, par, Comptes Rendus, Vol CCXXVII, No 14,
1953, pp 1468-1470.

SLA 59-15521

Sci
Nov 59
Vol 2, No 3

101,530

61-12125

Neel, Louis
SURFACE ANISOTROPY OF FERROMAGNETIC SUB-
STANCES. [1960] 960 words.
Order from LSA \$9.85

Trans. of Academie des Sciences, Paris. Comptes
Rendus (France) 1953, v. 237 [no. 14] p. 1468-1470.
Also available from SLA mi\$1.80, ph\$1.80 as 59-15521
[1959] 5p.

1. Ferromagnetic materials--
Magnetic properties

- I. Neel, L.
- II. Literature Service Associ-
ates, Bound Brook, N. J.

Office of Technical Services

(Physics--Magnetism, TT, v. 5, no. 1)

Magnetism: Superparamagnetism of Very Fine
Antiferromagnetic Grains, by J. Neel.
FRENCH, per, Comptes Rendus, Vol 252, 1961,
pp 4075-4080.
(13)-68-505-FRLL - MIT/Lin Lab
Available from NTC

J. Neel

June 69

383,203

61-10162

Neel, L.
THEORY OF THE MAGNETIC AFTER-EFFECT OF
MASSIVE SUBSTANCES IN THE DOMAIN OF
RAYLEIGH. [1960] 33p. (7 figs. omitted) 16 refs.
Order from SLA ml\$3.00, ph\$6.30 61-10162

Trans. of Journal de Physique et le Radium (France)
1950, v. 11, no. 2, p. 49-61.

1. Ferromagnetic materials--
Magnetic properties
1. Neel, L.

Office of Technical Services

(Physics--Magnetism, TT, v. 5, no. 6)

Theory of the Magnetic Lag Due to Diffusion,
by L. Neel, 67 pp.

FRENCH, per, J Phys Radium, Vol XIII, No 5,
May 1952, pp 249-264.

SIA Tr 57-1004

Sci - Electricity, Physics 52,283

Sep 57

The Energy of Bloch Walls in Thin Layers, by L. Neel,
6 pp.

FRENCH, per, Compt Rend^u, Vol CCXLI, No 6, 8 Aug 1955,
pp 533-536.

SLA Tr 57-1358

Sci - Electronics
Jan 58

58,186

Influence of the Subdivision Into Elementary
Domains on the Permeability at High Frequency
of Ferromagnetic Conductors, by L. Neel, 26 pp.

FRENCH, per, Ann Inst Fourier, Vol III, 1951,
pp 301-319.

SIA Tr 57-1190

Sci - Electricity, Physics

Sep 57

52,282

Magnetic Properties of Ferrites, Ferromagnetism and Antiferromagnetism, by L. Neel,
46 pp.

FRENCH, per, Ann Phys, Vol III, Ser 12, 1948,
pp 137-198.

Sci

Aug 58

SLA 57-3472

ATS-25J14F

ATS - 302-FJ

72,732

Comments on the Theory of the Magnetic Properties of Thin Layers and Fine Grains, by L. Neel, 18 pp.

FRENCH, per, J Phys et Radium, Vol XVII, No 3, Mar 1956, pp 250-255.

SLA Tr 57-720

Sci - Electricity

50,615

Aug 57

Principles of a new General Theory of Coercive
Force, by L. Neel, 29 pp.

FRENCH, per, Grenoble Université Ann., Vol XXII,
1946, pp 299-243.

S.L.A. Tr No 57-31

Sci - Physics
Apr 57

46,905

Louis Neel

A New Mode of Coupling Between the Magnetizations of
Two Thin Ferromagnetic Films, by Louis Neel, 7 pp.

GOVERNMENT USE ONLY

FRENCH, per, Compt Rend., No 255, 1962, pp 1676-1681.

ARM/FSTC/HT-23-1241-71

Mar 72

Louis Neel

Magnetism. Novel Method of Measuring the Energy of Bloch Walls, by Louis Neel, 7 pp.

GOVERNMENT USE ONLY

FRENCH, rpt, Magnetisme. Nouvelle Methode de Mesure de l'Energie des Parois de Bloch, Academie des Sciences, Meeting of April 16, 1962, pp 2891-2896.
ARM/FSTC/HT-23-1243-71

Jan 72

Magnetism; Calculation For Coercive Force
According to the Theories of Becker and
Kerstein, by Louis Neel, 4 pp.

EM FRENCH, per, Comptes Rendus Academie des
Sciences, Vol CCXLIII, 1946, pp 141-142.

SIA 60-14322

Sci
Feb 62
Vol III, No 11

184.699

Effect of Cavities and of Inclusions on the
Coercive Force; by Louis Neel, 41 pp.

FRANCK, per, Cahiers de Physique, No 25, 1944.

SIA 60-14328

Sui

Feb 62

Vol. III, No 11

184, 697

Magnetism; A New General Theory For Coercive
Force, by Louis Neel, 4 pp.

FRENCH, per, Comptes Rendus Academie des
Sciences, Vol CCXXIII, 1946, pp 198-199.

SIA 60-14323

Sci
Feb 62
Vol III, No 11

184.698

Some Properties of Walls of Elementary ~~XXXX~~
Ferromagnetic Domains, by Louis Neel, 25 pp.

^q
FRENCH, per, Cahiers de Physique, No 25, 1944.

SIA 60-14329

Sci
Feb 62
Vol III, No 11

184, 701

Néel, Louis.

MAGNETISM: INTERPRETATION OF MAGNETIC PROPERTIES OF DYSPROSIUM AND ERBIUM (Magnetisme: Interpretation des Proprietes Magnetiques du Dysprosium et de l'Erbium). [1961] [15p. (foreign test included) 12 refs.

Order from SLA \$1.60

61-20088

Trans. of [Academie des Sciences, Paris]. Comptes Rendus (France) 1956, v. 242, 4 Apr. p. 1824-1828 (pub. by Gauthier-Villars et Cie., Paris).

DESCRIPTORS: *Dysprosium, *Erbium, Rare earth elements, Magnetic properties, Temperature.

It is shown that the magnetic properties, particularly of dysprosium and erbium, at low temperature are probably due to a transition from a ferromagnetic to an anti-ferro-magnetic state under the influence of the (Physics--Magnetism, TT, v. 7, no. 1) (over)

61-20088

I. Néel, L.

II. Title: Interpretation ...

184241

Office of Technical Services

62-10344

Neel, M. Louis.
SUPERPARAMAGNETISM OF THE VERY FINE ANTI-
FERROMAGNETIC GRAINS. [1961] 6p. 3 refs.
Order from SLA \$1.10 62-10344

Trans. from Academie des Sciences [Paris]. Comptes
Rendus (France) 1961 [v. 252] no. 26 (pub. by Gauthier-
Villars et Cie., Paris).

DESCRIPTORS: Grains (Metallurgy), *Magnetism,
Antiferromagnetism, Magnetic moments, Magnetic
susceptibility.

(Physics--Magnetism, TT, v. 7, no. 9)

1. Title: Superparamagnetism
1. Neel, M. L.

205596

Office of Technical Services

Coupling Between Elementary Ferromagnetic Domains,
by Louis Neel, 7 p.

FRENCH, per, Comptes Rendus Acad des Sci, 1958,
Vol CCXLVI, pp 2963-2968.

SLA 59-20405

Sci
Mar 60
Vol 2, No 12

109,249

On the Effect of Coupling Between Hysteretic
Ferromagnetic Particles, by Louis Neel, 9 p.

FRENCH, par, Comptes Rendus Acad des Sci, 1958,
Vol CCXLV, pp 2313-2320.

SLA 59-20406

Sci
Mar 60
Vol 2, No 12

109,250

Remarks on the Theory of the Magnetic Properties
of Hard Materials, by Louis Neel, 9 p.

DUNCH, Applied Scientific Research. Section
B. 1953/1954, Vol IV, pp 13-24.

SLA 59-15078

Sci
Jan 60
Vol 2, No 6

103,738

Principles of a New General Theory of Com-
municative Force, by L. Noel, 29 pp.

FRENCH, per, Ann Univ Grenoble, Vol XXII,
1946, pp 299-343.

Sci

Jul 58

~~SECRET~~-571027

Class Tech Serv

ATS-321-FS

68,336

62-10345

I. Neel, M. L.

Neel, M. Louis.
SUPERPOSITION OF THE ANTIFERROMAGNETISM
AND THE SUPERPARAMAGNETISM IN A VERY
FINE GRAIN. [1961] 4p. 1 ref.
Order from SLA \$1.10

62-10345

Trans. of Academie des Sciences [Paris]. Comptes
Rendus (France) 1961 [v. 253] no. 1, p. 91-12 (pub. by
Gauthier-Villars et Cie., Paris).

201331

DESCRIPTORS: *Antiferromagnetism, *Paramagnetism,
Magnetism, *Grains (Metallurgy), Magnetic fields,
Magnetic moments, Magnetic susceptibility.

(Physics--Magnetism, TT, v. 7, no. 8)

Office of Technical Services

62-10346

Neel, M. Louis.
SUPERANTIFERROMAGNETISM IN THE FINE
GRAINS. [1961] 5p. 5 refs.
Order from SLA \$1. 10

62-10346

Trans. of Academie des Sciences [Paris]. Comptes
Rendus (France) 1961 [v. 253] no. 2 [p. 203-208]
(pub. by Gauthier-Villars et Cie., Paris).

DESCRIPTORS: *Antiferromagnetism, Magnetism,
*Grains (Metallurgy), Thickness, Magnetic fields,
Magnetic moments, Magnetic susceptibility.

I. Neel, M. L.

201332

(Physics--Magnetism, TT, v. 7, no. 8)

Office of Technical Services

Microflora of Burned Surface, by P. N. Kashkin,
E. G. Kashkina, B. M. Mints, N. S. Neelova, 22 pp.

Full translation.

RUSSIAN, no par, Khirurgiya, Vol IV, 1959, figs, 1-2;
pp 13-22.

CIA/FDD/X-727

USSR

Scientific - Medicine, microflora, Burned surfaces

Oct 52 ^TCRS/DEX

A-4934

PLANNING METHODS, BY A. NE-EMAN, 7 PP.

HEBREW, NP, X 'AL HAMISHMAR, , 21 DEC 1962,
P 12.

JPRS 17917

ME - ISRAEL
ECON
MAR 63

224,399

Crystallographic Relationships in the Transformation
of Iron, by H. Heerfeld. UNCLASSIFIED.

GERMAN, per, Archiy. Eisenhüttenwesen, Vol XXIII,
Nos 11, 12, 1952, pp 471-473.

Brutcher Tr No 3341

AEC 1457

Metals
Scientific - Min/~~Metals~~

17,368

67
Some New Views on the Basic Concept of Respi-
ratory Mechanism, by K. von Neergaard,
38 pp.

GERMAN, per, Reptl. Med., Vol 66, 1929,
pp 373-394.

Dept of Navy/NAV 1264

Sci-DM

Sept 68

365,964

K. von Neergaard

Input Circuits of Wide-Band Phase Meters, by V. P.
Kovrigin and A. F. Neermolov, p. 7

RUSSIAN, per, Izmeritel'naya Tekhnika, No 12, 1962,
pp. 29 - 32

ISA

Sci

340.382

Aug 63

The Chemistry of Cyanogens and Isocyano-⁵³
gens, by J. U. Nef.
GERMAN, per, Ann Chem, Vol 287, 1895,
pp 337-359.
NASA TT F-12,045

J. U. Nef

Sci-Chem
June 69

383,224

On Pathogenesis in Sheep Fox, by A. I. Kefed'ov,
4 pp.

RUSSIAN, no per, Veterinariya, Vol XXVI, No 1,
Jan 1949, pp 32-33.

USDA

Scientific - Medicine

Oct 53 CTS

5709

Noted'eva, A. I.

SYSTEMATIC DECLINATION ERRORS OBTAINED
FROM THE OBSERVATIONS OF M. A. GRACHEV.
10 Oct 63, 14p FTD-TT-62-959 (p. 165-178).

Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 165-178)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960. (Abstract
available)

DESCRIPTORS: *Astronomy, *Stars, Measurement,
Errors

In the case of the meridian circle of Engelhardt Ob-
servatory, the combining of the observations for each
position of the objective and ocular does not improve
the declinations in a systematic way. Interchanging the
ocular and objective does not eliminate instrument
(Astronomy, TT, v. 11, no. 5)

(over)

TT-64-13176 (p. 165-178)

I. Noted'eva, A. I.

II. ~~FTD-TT-62-959~~

III. ~~FTD-TT-62-959~~
(p. 165-178)

IV. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

flexure. If there is a sufficient number of stellar observations in some fundamental catalog then observations may be reduced to this catalog by representing the differences between the declinations and the fundamental catalog in the form of certain mathematical expressions, as was done by T. A. Banakhevich in processing M. A. Grachev's observations. In this work it was shown that reductions to a fundamental catalog can be accomplished more easily with the aid of graphs. The accuracy of one declination determination depends mainly on the accuracy of the circle and micrometer readings, on the accuracy of refraction calculations, and, to a lesser extent, on the method of observation. The differential method of processing observations, for all practical purposes, does not give improved results over the absolute method. (Author)

PS- TT-64-13176 (p. 165-178)

The Phage-Typing of Staphylococci, by
N. P. Nefed'eva, 6 p.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i
Immunobiolog, Vol XXX, No 2, 1959, pp 35-39.

pp

Sci
Jan 60

105,920

Decarbonisation When Manufacturing Cold
Rolled Transformer Steel, by Belyakov,
Nefedov. UNCLASSIFIED

RUSSIAN, per, Stal, Mar 1958, p 248.

Co-op Tr Sch
Tr 939

Sci - Min/Met
Aug

68,837

Battery Operated 1-V-1, by A. Nefedov, 10 pp.
UNCLASSIFIED

Full translation.

RUSSIAN, no per, Radio, No 8, USSR, Aug 1951, pp 32-35.

AMC F-TS-7687 RE

SSR

Economic - Battery, operations, receivers
Scientific - Electronics, radio, receivers

A8382-

Dec 52 CTS/DEX
CIA 1007665

Elimination of Carbon from Cold-Rolled
Transformer Sheet During Processing, by
A. I. Belyakov, A. A. Nefedov.

RUSSIAN, per, Stal, Vol XVIII, 1958, pg
248.

Brutcher Tr 4201
\$1.60

Sci - Engr

Aug 58

68,198

Efficient Pass Design for Rolling Hexagonal Steel
Sections, by A. A. Nefedov, B. H. Ilyukovich, 3 pp.

RUSSIAN, per, Metallurg, No 3, 1958, pp 22, 23.

Consultants Bureau

Sci - Min/Mat

Dec 58

77,488

Nefed'ev, A. A.
ON THE WORK OF THE ASTROMETRY DEPARTMENT OF THE ENGELHARDT ASTRONOMICAL OBSERVATORY, DEC 55-MAY 58. 10 Oct 63 4p
FTD-TT-62-959 (p. 87-90).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176 (p. 87-90)

Unedited rough draft trans. from mono. Astrometri-cheskaya Konferentsiya SSSR (no. 14) Kiev, 27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Astronomy, Stars, Moon, Rotation, Extraterrestrial topography, Astronomical geodesics

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 87-90)

- I. Nefed'ev, A. A.
- II. FTD-TT-62-959 (p. 87-90)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-Patterson AFB, Ohio

Office of Technical Services

Nefed'ev, A. A.
PHOTOGRAPHIC OBSERVATIONS OF THE MOON
WITH MARKOWITZ CAMERAS AT THE ENGEL-
HARDT OBSERVATORY. 10 Oct 63. 6p
FTD-TT-62-959 (p. 563-568)
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 563-568)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Moon, *Astronomical cameras,
*Photography, Astronomy,

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 563-568)

- I. Nefed'ev, A. A.
- II. FTD-TT-62-959
(p. 563-568)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Increasing the Productivity of a Sheet Mill, by
A. A. Nefedov, G. Z. Shcherbina, 3 pp.

RUSSIAN, per, Metallurg, No 6, 1957, pp 23-24.

Consultants Bureau

Sci - Engr
Aug 58

69.647

Cold Rolled 0.35 mm Magnetic Sheet
Steel, by A. A. Nefedov, et al.
RUSSIAN, per, Elektrichestvo, 1963,
No VIII, pp 70-72.

NLL 0022203 1964 (3454) (On Loan)

CFSTI TT-65-60819
A. A. Nefedov

Aug 65

286,416

What Will be Shown at the "Veterinaria i Zootekhnika"
Pavilion on the VSKEV of 1955, by A. D. Nefedov.

RUSSIAN, no per, Veterinariya, Vol XXXII, No 4,
Apr 1955, pp 12-18. CIA D 407232

USDA Tr

Scientific - Medicine

Mar 56 CTS/DEX

32,089

Pavilion "Veterinary Science and Zootechnics"
at the All-Union Agricultural Exhibit, by
A. D. Hefedov, UNCLASSIFIED

RUSSIAN, per, Veterinariya, Vol XXXI,
No 8, 1954, pp 3-13.

20,270

USDA

Scientific - Biology Dec 1954 CTS

Veterinary and Zootechnical Servicing on Consolidated Kolkhozes of Cherkassk Raion, Kiev Oblast, by A. D. Befedov, 13 pp.

Full translation.

RUSSIAN, per, Veterinariya, Vol XXIX, No 3, Mar 1952, pp 6-13.

USDA Tr

USSR

Scientific - Medicine

CTS/DEX

3758

(NY-5074)

Soviet Radio Engineering at the Brussels
Exposition, by A. M. Mefedov, 18 pp.

RUSSIAN, per, Vestnik Svyazi, No 5 (218), 1958.

JPRS 7008

Sci

Dec 60

135,749

Excellent Communication Service for Sovnarkhozes, by
A. Ya. Korodov, 5 pp.

RUSSIAN, per, Vestnik Svyazi, No 8, 1963.

JPRS 21842

Sci .
Nov 63

243,139

The Effect of Unstabilized Landing on Engine
Wear, by A. S. Gal'parin, B. B. Nefedov, 3 pp.

RUSSIAN, per, Vest Mashinostroy, Vol XLI,
No 4, 1961, pp 38-40.

PERA

Sol

201,928

Jun 62

Catalytic Hydrocondensation of Carbon Monoxide With
Olefins and Their Hydropolymerization Under the Action
of Carbon Monoxide and Hydrogen. Communication 29.
Catalytic Hydrocondensation of 2,4,4-Trimethyl-1-
Pentene, by Ya. T. Yelina, B. K. Nefedov, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 11,
1960, pp 2037-2041.

CS

Sci

May 62

194,415

Catalytic Polymerization of Olefins. Communication
III, Polymerization of Isobutylene in the Presence
of Kinetic Kieselguhr, by Ya. T. KHEK Yedus, B.
K. Mafedov, 5 pp.

RUSSIAN, per, In Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1961, pp 338-342.

CB

Sci

Jan 62

198,818

Catalytic Hydrocondensation of Carbon Monoxide and Olefins. Communication 2836. Effect of the Proportions of the Components of the Original Mixture on the Hydropolymerization of Isobutene Under the Conjoint Action of Hydrogen and Carbon Monoxide, by Ya. T. Feyzina, B. K. Safedov, 8 pp.

RUSSIAN, per, 1 Is Ak Nauk SSSR, Otdel Khim Nauk, No 12, 1960, pp 2221-2229.

CB

May 62
Sci

194,507

Hydropolymerisation of Isobutene Over a Cobalt-
Clay Catalyst Under the Joint Action of Hydrogen
and Carbon Monoxide, by Ya. T. Eldus, B. K. Mafedov,
3 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1960, pp 349-350

CB

Sci
Apr 61

145,396

On the Destructive Catalytic Hydropolymerization of
Isobutylene-Hydrogen Mixtures, by Ya. T. Eidus,
B. K. Nefedov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII, No 5,
pp 1029-1031.

CB

Sci
Aug 60

126,411

Dehydrogenation of Higher Paraffin Hydrocarbons
Over Chromium Oxide-Alumina Catalysts, by I. B.
Rapoport, B. K. Nefedov, 5 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXXII, No 5,
1959, pp 1121-1125.

Instru Soc of Amer

Sci

Jun 60

117,607

The Effect of Hydrogen on the Course of the
Polymerization of Isobutylene Over Catalyst
for the Hydrocondensation of Carbon Monoxide
With Olefins, by Ya. T. Eidus, B. K. Nefedov,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV,
No 1, 1959, p 111-.

Consultants Bureau

119,451

Sci

Jun 60

Comparative Study of the Activity of Cobalt Catalysts in the Polymerization and Hydropolymerization Reactions of Isobutylene, by Ya. T. Yeidus B. K. Nefedov, 7 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol I, No 4, 1964, pp 604-611.

CB

~~Nefedov~~

172, 773

RUSSIAN, per, Zhur Prikl Khim, Vol XXXII, No 5, 1959, pp 112-1120.

Consultants Bureau

Sci

Jun 60

118, 289

Catalytic Hydrocondensation of Carbon Monoxide with
Olefins and Their Hydropolymerization under the
Action of Carbon Monoxide and Hydrogen,
Communication 31. Relation of 2-Methylbutene-1 and
3,3-Dimethylbutene-1 to Hydrocondensation Catalysis,
by Ya. T. Yeidus, B. K. Nefedov, I. P. Yakovlev,
7 pp.

RUSSIAN, per. Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 6, 1961, pp 1127-1133

CB

211,404

Sci
Apr '62

On the Dehydrogenation Reaction of Higher
Paraffinic Hydrocarbons Over Carbon Catalysts on
the Dehydrogenation Reaction of Paraffinic Hydro-
Carbons on Chromia-Alumina Catalysts, by
I. B. Rappoport, B. K. Mefedov, S. G. Grakhova, 19

RUSSIAN, per, Zhur Prik Khim, 1959, Vol XXXII, No 5

FD 155-160.

112-1125.

SLA 59-17208

Sci

Dec 59

Vol 2, No 6

104,000

77
A Two-Component Achromatic Objective,
by B. L. Nefedov, V. A. Chishikov, 2 pp.
RUSSIAN, rpt, Patent 180370 (895577/
26-10) Class 424, 4/02, 13 April 1964,
pp 1-2.
AIR/PTD/HT-23-1127-67
AD 677232

Sci/Phys
Jan 69

B. L. Nefedov

353,210

Tularemia in the Kliazma Basin, by D. D. Nefedov,
6 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol Immunobiol,
Vol XXXI, No 5, 1960, pp 86-90.

PP

Sci -
Apr 61

147,688

An Automatic Charge Cut-Off for Silver-
Zinc Storage Batteries, by K. P. Nefedov,
3 pp.

RUSSIAN, per, Byulleten' Izobreteniy,
Patent No 130,547, No 15, 1960, pp 32-34.
967279⁴

FID-TT-61-172

Sci - Engr

180,303

24 Jan 62

Hydrogeologic Mapping by Means of Aerial-
Photographic Survey Data, by K. Ye. Nefedov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Sections, Vol CXLVIII, No 1-6, Jan, Feb 1963.

Amer Geol Inst

Sci
Jul 65

HIGH-SPEED INSTALLATION OF EQUIPMENT IN SHOPS
FOR THE PRODUCTION OF CAPROLACTAM, BY L. P
TOPKASOV, N. V. DEFEON, 5 PP.

RUSSIAN, PER, PROMYSLEN SREDTEL'STVO, NO 2
1963, PP 10-12.

JPRS 19663

USSR
ECON
JUL 63

235,176

The Agricultural Importance of the Partridge
(Perdix Perdix L.) on the Lower Volga, by
N. I. Nefedov.

RUSSIAN, bimo per, Zool Zhur, Vol XXII, 1943,
pp 41-43.

US Dept of Interior
Tr No 183

19,845

USSR

Scientific - Biology

Dec 54 CTS

High-Temperature X-Rays Studies of Invar
Alloys, by S. M. Karal'nik, L. G.
Nikovayeva, N. N. Wefedov, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XX
No 4, 1960, pp 473-476.

CTT

Sci

Jun 61

157,238

Synthesis of Substituted 1, 1-Dialkylsila-
cyclopentanes from Dialkylchlorosilanes
and Styrenes, by G.M. Nefedov and M.N. Mani-
kov, 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 7, 1962, pp. 1228-1236.

CB

Sci

340, 964

May 63

TT-64-12744

Nefedov, O. M., Novitskaya, N. N., and Petrov, A. D.
PREPARATION OF CYCLOPROPANE HYDROCARBONS
BY THE REDUCTION OF THE ADDUCTS OF
DIHALOCARBENES TO OLEFINS. [1964] Sp
Order from ATS \$8.25

ATS-86R74R

Trans. of Akad[emiya] Nauk SSSR. Dokl[ady] 1963,
v. 152, no. 3, p. 629-632.

I. Nefedov, O. M.
II. Novitskaya, N. N.
III. Petrov, A. D.
IV. ATS-86R74R
V. Associated Technical
Services, Inc.,
East Orange, N. J.

083406

(Chemistry--Organic, TT, v. 11, no. 12)

Office of Technical Services

The Influence of the Nature of the Metal on the Yields of Alkanes Synthesized by the ~~SEEX~~ Wurtz Reaction, by A. D. Petrov, O. M. Nefedov, F. I. Grigoryev, 5 pp.

RUSSIAN, per, ~~Zhar~~ Oshch Khiz, Vol XXVII, No 7, 1957, pp 1876-1880.

Consultants Bureau

Sci - Chem
Oct 58

74, 232

The Reaction of 1-Naphthylmagnesium Bromide with
Esters of Monocarboxylic Acids, by A. D. Petrov,
O. M. Mefedov, I. I. Bufatin, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 12,
1959, pp 3901-3908.

CB

Sci

Nov 60

133,209

Synthesis and Viscosities of 1-Alkylacetylenes
and Their Decahydro-Derivatives, by A.D. Petrov,
O.M. Nefedov, V.D. Vorobyev, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 9, 1957, pp 1105-1110

Consultants Bureau

Sci - Chem

May 59

87,193

Reaction of 2-Methyl-2-Phenylpropylmagnesium
Chloride with Allyl and 2-Methylallyl Chlorides,
by A. D. Petrov, O. M. Befedov, Yu. H. Ogibin,
3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 8, 1977, pp 1004-1006.

Consultants Bureau

Sci - Chem

May 59

87,178

Addition of Dichlorocarbene to Some 1-Substituted
Cyclohexene, by O. M. Kefedov and M. N. Manakov,
5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 7, 1962, pp 1242-1247

CB

Sci

May 63

342.728

Reaction of 2-Methylallylmagnesium Chloride with Esters
of Palmitic and 2-Ethylhexanoic Acids, by A. D. Petrov,
V. M. Melekhin, O. M. Nefedov, 3 pp.

Full translation.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, Mar/Apr 1955, pp 380-384. CIA D 151364

Consultants Bureau

Scientific - Chemistry

26, 124

Investigation of the Combustion Process
of Natural and Emulsified Liquid Fuels, by V. M. Ivanov,
P. I. Nefedov.

RUSSIAN, per, Trudy Instituta Goryuchikh Iskopyayemykh,
Vol XIX, 1962, pp 35-45.

NASA TT F-258

p 90

Sci-Fuels
Mar 65

274,339

The Higher Education of Elementary School Teachers,
V. Nefedov, V. Kokosh, 3 pp.

RUSSIAN, per, Narodnoye Obrazovaniye, No 5, 1961.

Interntl Arts & Sci Press
Soviet Education
Vol III, No 12

USSR

177,009

Soc

Dec 61

Tritiation of Silico-Organic Compounds by the Method
of Tritium Atom Recoil, by V. D. Nefedov and
N. P. Kharitonov, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXII, No 2,
1962, pp 614-617.

CB

Sci

Feb 63

234,026

The Production of Carrier-Free ^{113}m In by Irradiating
a Tin Metal-Organic Compound With Neutrons,
by V. D. Nefedov, G. N. Lepnev, et al, 13 pp.
RUSSIAN; per, Zhur Fiz Khim, Vol XXXI, 1957,
pp 354-361. 9229219
AEC-ORNL-Tr-541

87

V. D. Nefedov

Sci-Chem
Aug 65

286,391

Study of the Isotope Exchange in the System Bi*
($C_6H_5I_3-Bi(C_6H_5)_3Cl_2$ — alcohol, by V. D. Nefedov,
E. N. Sinotova, 4 pp.

RUSSIAN, per, Radiokhim, Vol II, No 6, 1960,
pp 739-742.

AEC-tr-4578
PL-480

Sci

Aug 62

8 206,394

PST 570

The Use of Chemical Changes Accompanying Beta-Decay
of RaE for the Synthesis of Organic Compounds of
Polonium, by A. N. Murin, V. D. Safedov, 6 pp.

RUSSIAN, papers, Proceedings of a Symposium on the
Chemical Effects of Nuclear Transformations, Prague,
October 24-27, 1960, Vol II, pp 183-187. 9091160

A Study of Isotope Effects in Beta-Decay of Natural Isotopes of Lead, by V. D. Nefedov, Yu. A. Ryukhin, 7 pp.

RUSSIAN, papers, Proceedings of a Symposium on the Chemical Effects of Nuclear Transformations, Prague, October 24-27, 1960, Vol II, pp 149-155. 9091159

AEC Tr-5150

Sci - Nuc Phys
Aug 62

208,441

Technetium - Element 43, by A. N. Murin, V. D.
Nefedov,

RUSSIAN, per, Uspekhi Khim, No 2, 1961, pp 274-291.

Cleaver-Hume Press

Sci
May 62

194,723

Gamma Radiation in Elastic Interaction Between
Fast Neutrons and Atomic Nuclei, by V. D. Nefedov,
V. P. Popov, Yu. S. Yazvitskiy, 18 pp.

RUSSIAN, bk, Gamma-Izluchenie pri Neuprugom
Vzaimodeystvii Bystrykh Neytronov s Atomnymi Yadrami,
1960. 9094422 pp 1-21,

AEC Tr-4716

Sci - Phys, Chem
Dec 61

176,820

Sur les Composes Marques Multiples, by V. D. Nefedov,
G. A. Shorobogotov, 13 pp.

RUSSIAN to FRENCH, per, Radiokhim SSSR, Vol III,
No 2, 1961, pp 229-236. 9097079

Reverse Trans
CEA Tr R-1430

Sci
19 Apr 62

Concentration of Artificial Radioactive Isotopes
of Groups IV and V by the Method of Recoil Atoms,
by A. W. Murin, V. D. Nefedov, 6 pp.

RUSSIAN, bk, Primenenie Mechenykh Atomov v Anal Khim,
imeni V. I. Vernadskogo, 1955, pp 75-78.

AEC UCRL Tr-552(L)

Sci - Nuc Phys
Mar 62
List 63

³
183,936

TRI 62-130

A Study of Isotope Effects in Beta-Decay of
Natural Isotopes of Lead, by V. D. Nefedov, Yu. A.
Ryukhin, M. A. Toropova, et al.

RUSSIAN, rpt, Chemical Effects of Nuclear Transfor-
mations, Proceedings of a Symposium, /October 24-27,
1960, pp 149-155. Vol II,

9091159

*AEC Tr - 5150

Sci - Nuc Phys
Feb 62

AEC-tr-4057(p.342-9) Uncl.

PRODUCTION OF Re^{188} WITHOUT A CARRIER BY A
METHOD BASED ON DISRUPTION OF CHEMICAL BONDS
DURING β -DECAY. V. D. Nefedov and M. A.
Toropova. Translated from Zhur. Neorg. Khim.,
2: 1667-71(1957).

C-4 P NSA

*Second Japan Conference on
N-4 Radioisotopes, Feb 1958*

Study of the Mechanism of the Grignard
Synthesis of Alcohols Using Labeled Oxygen,
by G. M. Murashov, V. D. Nefedov, G. A.
Skorobogatov, V. M. Smirnov, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 9,
1959, pp 2864-2867.

CB

Sci

129,273

Sen 60

A Study of the Chemical Changes in the Process of
Decay of PaE in Combination in the Form of Its α -Naph
Naphthyl Derivatives, by V. D. Nefedov, S. A. Gruchov,
pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXIII, No 2, 1963,
pp 333-338.

CB

Sci
Jan 64

246, 932

Enrichissement du Mercure en Isotopes Radioactifs,
(Enrichment of Mercury in Radioactive Isotopes),
by V. D. Nefedov, E. N. Sinotova, V. I. Katsapov,
9 pp.

RUSSIAN to FRENCH, per, Zhur Fiz Khim, Vol XXX,
1956, pp 1867-1870.

Reverse trans
CEA tr R-669

Nov 59

S-122/60

(NY-3657).

The Separation of the Nuclear Isomers of
Tellurium, Mercury and Tin, by A. N. Murin, V. D.
Nefedov, Ye. N. Sinotova, O. V. Larionov, 6 pp.

RUSSIAN, per, Zhur Neorg Khim, Vol VIII, No 1,
1958, pp 181-183.

JPRS 2666

Sci - Chem
May 60

116,417

Isolation of Technetium-99m without a Carrier
by the Method of Disruption of Chemical Bonds
on β -Decay, by V. D. Nefedov, M. A. Toropova,
7 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 1,
1958, pp 231-234.

AEC-tr-4449
PL-480

177,807

Sci
Jan 62
PST 371

The Use of Carbonyls for the Separation of the
Radioisotopes Cr⁵¹, Mo⁹⁹, W¹⁸⁷, Tc^{99m} and Re¹⁸⁸,
by V. D. Nefedov, M. A. Toropova, 11 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 1,
1958, pp 175-180.

AEC-tr-4449
PL-480

Sci
Jan 62
PST 371

177,802

Separation du Technetium-99m Sans Entraîneur
par la Methode de Rupture de la Liaison Chimique
Lors de la Desintegration β (Separation of
Carrier-Free Technetium-99m by the Method of
Chemical Bond Breaking During β Disintegration),
by V. D. Nefedov, M. A. Toropova, 11 pp.

RUSSIAN to FRENCH, per, Zhur Neorg Khim, Vol III,
1958, pp 231-234.

Reverse trans
CEA tr R-703

Nov 59